

SALMONELLOSIS

Salmonellosis is a bacterial enteric infection caused by any of the serotypes of the genus *Salmonella* which infect animals and humans. The disease is characterized by sudden onset of headache, abdominal pain, diarrhea, nausea, and vomiting. Infection is transmitted by ingestion of contaminated food or liquids, from person to person by the fecal-oral route, and by contact with infected animals or contaminated animal products. There are over 2,000 recognized serotypes of *Salmonella* species.

Laboratory Criteria for Confirmation:

- Isolation of *Salmonella* spp. from a clinical sample.

Case Classification

Confirmed: A case that is laboratory confirmed.

Probable: A clinically compatible case that is epidemiologically linked to a confirmed case.

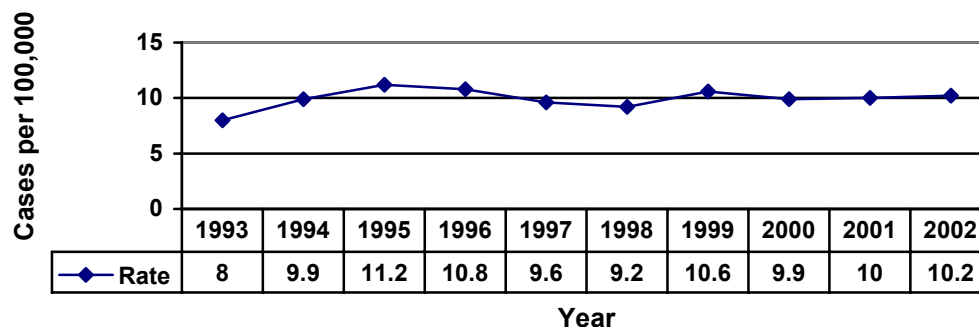
Epidemiology

Kentucky 2002	Rate per 100,000	U.S. Rate (2001) per 100,000
Cases 415	10.2	14.39

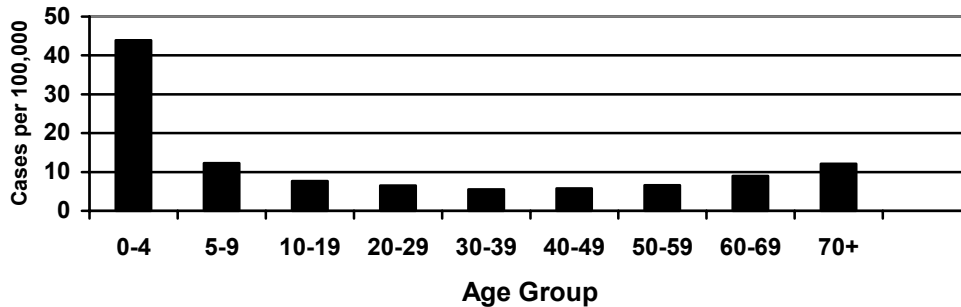
Cases by Gender

Female	227	10.9
Male	184	9.3

**Salmonellosis Incidence
Kentucky, 1993-2002**

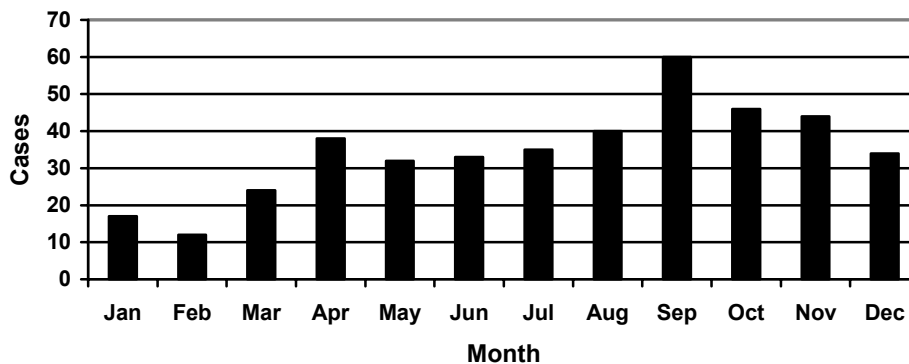


Salmonellosis, Age-Specific Incidence Kentucky, 2002



As in previous years, the highest incidence occurred in children under 4 years of age, (43.9 cases per 100,000), followed by children in the 5-9 age group (12.3 cases per 100,000) and persons 70 years and older (12.1 cases per 100,000). In the 0-4 year group 54 of the 116 cases were in children less than 1 year of age.

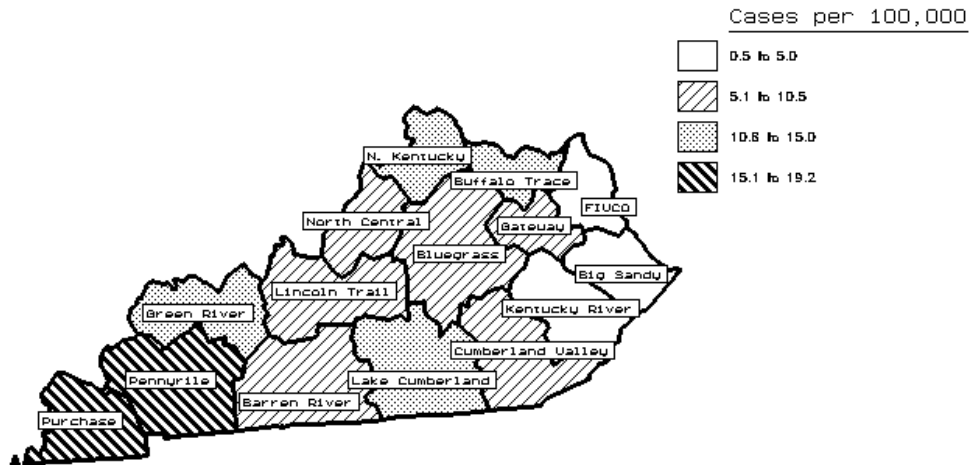
Salmonellosis, Reported Cases by Month of Onset Kentucky, 2002



In 2002, the cases peaked in September with 60 cases.

Twenty-four cases were outbreak associated in 2002. Outbreak cases with confirmed serotypes included; *Salmonella sandiego* (Group B), 10 cases, *Salmonella* Group D, 6 cases and *Salmonella typhimurium* (Group B), 3 cases.

Salmonellosis by District, Kentucky Annual Incidence, 2002



District	Annual Incidence Rate per 100,000
Purchase	19.2
Pennyrile	15.8
Green River	14.0
Barren River	7.8
Lincoln Trail	10.5
North Central	9.9
Northern Kentucky	13.1
Buffalo Trace	14.4
Gateway	7.8
Fivco	3.7
Big Sandy	3.1
Kentucky River	3.3
Cumberland Valley	7.1
Lake Cumberland	14.4
Bluegrass	8.2